

ROCKY FLATS PLANT
EMD RFI/RI WORK PLAN OU-5
WOMAN CREEK PRIORITY
DRAINAGE

Manual No.: 21100-WP-OU 05.1
Procedure No.: Table of Contents, Rev 1
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Effective Date: 02/24/92
Organization: Environmental Management

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ROCKY FLATS PLANT
ENVIRONMENTAL MANAGEMENT DEPARTMENT

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ADMIN RECORD

"REVIEWED FOR CLASSIFICATION

By W. J. Sandelweck

Date 25 FEB 92

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ATTACHMENT
for Work Plan OU-5 Woman Creek Priority Drainage

- Insert new cover pages for each volume, and insert new spines with your copy number on it.
- Insert new Table of contents, and detailed Table of Contents and destroy old TOC.
- Insert new Executive Summary and destroy old ES.
- Insert new pages and **destroy old corresponding page numbers.**
 - Insert page 1 of section 1.
 - Insert new section 2.
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 - **Please insert new section 7 and discard all of the old section 7 EXCEPT for the following two color figures: Figure 5-7 (1 of 2 and 2 of 2). Insert the old figure 5-7 (1 of 2 and 2 of 2) in your new section.**
 - Insert page 1 of section 8.
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 - Insert new section 12.
- Note that volume II has no changes except for adding second copy of Table of Contents and cover/spine.

Any questions please call Carlotta Muheim at 966-3893.

EG&G ROCKY FLATS PLANT
RFI/RI Work Plan for OU5

Manual: 21100-WP-OU5.01

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Effective Date: 2/28/92

Category: Organization: Environmental Management

TITLE: Baseline Health Risk Assessment Plan

Approved By:

CONFIDENTIAL DOCUMENT

Name (Date) 3/29/92

ROCKY FLATS PLANT
ENVIRONMENTAL MANAGEMENT DEPARTMENT

8.0

BASELINE HEALTH RISK ASSESSMENT PLAN

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8.1 OVERVIEW

A baseline health risk assessment will be prepared for Operable Unit Number 5 (OU5) as part of the Phase I RCRA Facility Investigation (RFI)/Remedial Investigation (RI) report. Both a human health evaluation and an environmental evaluation will be performed. This section describes the human health risk assessment. The environmental risk assessment is described in Section 9.0 of this Work Plan.

The purpose of the Phase I baseline risk assessment is to provide an estimate of potential health risks that may result from releases of hazardous substances from OU5 in the absence of any remedial action. Risks will be calculated for both on-site and off-site exposures to contaminants released and/or transported from the Individual Hazardous Substance Sites (IHSSs), using available data as well as data collected during the Phase I investigation of the unit.

The purpose of the baseline risk assessment is to provide information useful in determining the following, as described in the National Contingency Plan:

- A determination of whether the contaminants of concern identified at the site pose a current or potential risk to human health in the absence of any remedial action
- A determination of whether remedial action is necessary at IHSSs within the unit, and an identification of the media needing remediation
- A justification for performing remedial actions

This assessment will follow the guidance provided by the Environmental Protection Agency. It will also make use of additional information and methods that will facilitate interpretation of the results of the risk assessment. EPA publications that will be consulted when performing the health risk assessment include the following:

- Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A). Interim Final. 1989. EPA/540/1-89/002.
- Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. Interim Final. 1988.
- Superfund Exposure Assessment Manual. 1988. EPA/540/1-88/001.
- Exposure Factors Handbook. 1989. EPA/600/8-89/043.
- Guidance for Data Useability in Risk Assessment. Interim Final. 1990. EPA/540/G-90/008.